

Green Technology

Engineering a sustainable tomorrow.
Your partner in the emission-free journey.



In Odfjell Technology, our vision is to use our heritage and expertise from oil and gas in the energy transition.

Utilising our specialists in energy optimisation and emission-reducing technologies, we can provide a unique value proposition to clients in achieving their carbon emissions goals.

Green Technology is a department within the Projects and Engineering business area which consists of highly talented professionals who work on developing energy and emission-reduction concepts for the offshore, maritime, and shipping industries. We endeavour to achieve the highest possible operational efficiency of our client's offshore and maritime assets.

There are a vast number of new technologies entering the market with the aim of improving fuel efficiency, reducing emissions, and improving operational performance.

Our team has the combined technical competence and commercial mindset to critically review, identify and integrate the optimal solutions for our clients. Our ultimate goal is offshore and maritime operations with zero emissions.

The Green Technology team oversees our product portfolio's concepts and technical solutions, helping us maintain our position as the industry leader within our segment. The team devotes significant resources to research & development and liaison with solution providers and Original Equipment Manufacturers (OEM).

Odfjell Technology is a product-independent engineering partner which assures customers have all the knowledge needed to make informed decisions for their assets regarding environmental performance.

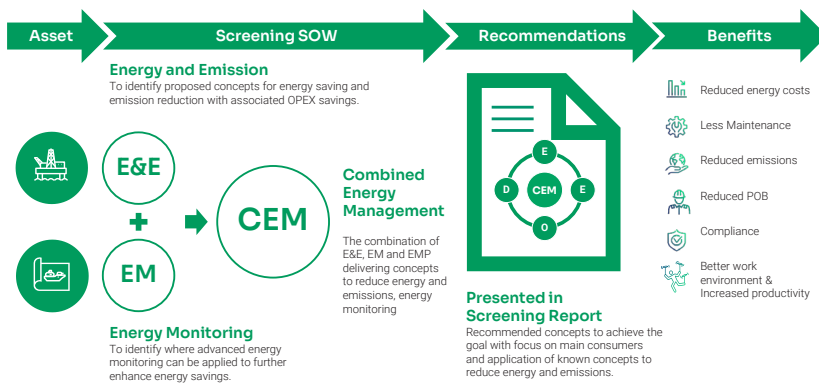


Service portfolio

Combined Energy & Emissions Screening

We employ a methodical approach for existing assets to assist and empower our clients in achieving their objectives. The Combined Energy & Emissions Screening represents a swift and cost-effective solution applicable to a wide range of offshore and maritime assets, including semisubmersible rigs, jack-ups, FPSOs, platforms, vessels, specialized boats, and ferries.

In our approach, we seamlessly integrate information from design documentation with the operational framework.



The resulting comprehensive report establishes an energy baseline and offers a curated list of viable solutions with their corresponding capital expenditure (CAPEX) investments, potential operational expenditure (OPEX) reductions, and projected Return on Investment (ROI)

Pre-FEED / FEED Studies

The Green Technology team's early-stage studies yield essential deliverables. Screening studies are comprised of concept development and feasibility studies. These primarily focus on the practical aspects of a concept, while Front-End Engineering Design (FEED) studies delve deep into specifics, determining the concept's economic viability.

During this phase, our objective is to enhance technical design details and rigorously assess financial and safety aspects. What distinguishes us from competitors in the realm of FEED studies is our unwavering commitment to ensuring the asset remains operational during the installation phase. While FEED studies

are pivotal for projects prior to execution, we go the extra mile by scrutinizing the installation process, aiming to maximize sustainable solutions and long-term project success.

System Integration

Our next service, System Integration, progresses the energy efficiency and emission reduction concepts from FEED into the execution.

With tailored solutions designed to elevate both operational efficiency and sustainability, our system integration service incorporates cutting-edge technologies into our customer's assets. We understand the intricate demands of the industry and utilise our legacy

best-possible throughput. It also important to emphasize, the system integration can be seen as a stand-alone service and this is when client has decided to introduce a new technology or system based on sustainability, compliance, or any other objectives.

Consultancy Services

We understand that sustainability initiatives go beyond technology and ideals. They require strategic vision, actionable plans and tangible outcomes. While essential technologies exist, many organisations face challenges in fully realising their sustainability goals.

Our Consultancy services are designed to bridge the gap between visionary ideas and practical implementation, addressing the unique challenges that the energy and maritime industry faces. We believe that true progress in sustainability comes from translating our clients' commitment into achievable, measurable, and impactful results.

With a focus on tailored solutions, we work closely with our clients to develop strategic roadmaps for emission reductions and sustainable practices. These roadmaps act as a blueprint for future engineering solutions, ensuring that our clients' sustainability objectives are not mere aspirations but actionable plans.

We recognise that decarbonisation requires more than just advanced equipment – it demands a mindset shift.

know-how to seamlessly integrate the newly emerged technologies with critical systems on the existing offshore and maritime assets.



To do so, we collaborate with Original Equipment Manufacturers (OEMs), Class societies, and petroleum or maritime authorities to ensure that the equipment or sub-system is optimally designed, installed, and commissioned to provide the

Our team supports your offshore teams' understanding and leveraging technologies effectively. Our sustainability coaching services address the gap between tools and know-how, fostering a culture of sustainability and empowering crews.